

AMENDMENT TO CLAIMS

1. (Currently amended) A composite structural material comprising:
a highly oriented polymer produced by a drawing process; and,
a particulate filler non-adhering with said highly oriented polymer capable of reacting with a fluid to form a cementitious bond;

said filler being present in an amount, and dispersed to a degree, sufficient to form interpenetrating polymer and cementitious networks in said composite material upon reaction of said filler with said fluid;

and wherein the composite structural material is porous.
2. (Original) The composite material as claimed in claim 1 wherein:
said particulate filler is a member selected from the group consisting of silicate cements and gypsum.
3. (Original) The composite material of claim 2 wherein:
said particulate filler includes at least one of Portland cement and calcium sulphate hemi-hydrate.
4. (Original) The composite material of claim 3 wherein said particulate filler further includes a non-reactive component.
5. (Original) The composite material of claim 4 wherein said non-reactive component is wood sawdust.
6. (Original) The composite material of claim 1 wherein the drawing process is a die drawing process.
7. (Original) The composite material of claim 1 wherein the drawing process is a free drawing process.
8. (Original) The composite material of claim 3 wherein the weight ratio of Portland cement to oriented polymer is between 37.5 wt. % and 67.5 wt. %.
9. (Original) The composite material of claim 3 wherein the weight ratio of Portland cement to oriented polymer is 67.5 wt. %.